CONVENTIONAL ELECTRICAL MODULES



CONTENTS	0.5	TLUC	CHARTER
CONTENTS	OF	THIS	CHAPIFR

Conventional Electrical Modules	.2–2
Cables	2-2
Specifications	2-3



CONVENTIONAL ELECTRICAL MODULES

For pneumatic only systems, with no I/O, a conventional electrical module may be used. PAL-E25 supports up to 21 solenoids and PAL-E44 supports up to 38 solenoids. The cables listed below were designed to fit the electrical connection modules and maintain IP65 protection.

PAL System - Conventional Electrical Modules				
Item Part No. Description		Electrical Cables		
	PAL-E25	NITRA electrical connection module, 12-24 VDC, (21) solenoid(s), IP65. For use with PAL series. Requires PAL series 25-pin male D-sub control cable.		
	PAL-E44	NITRA electrical connection module, 12-24 VDC, (38) solenoid(s), IP65. For use with PAL series. Requires PAL series 44-pin male D-sub control cable.	Listed below	

CABLES

Electrical Module Power Cables					
Item Part No.		Description			
	PAL-ACC04	NITRA control cable, 25-pin D-sub right-angle female to pigtail, IP65, 3.2ft/1m cable length. For use with PAL-E25 electrical connection module.	3.2 ft (1m)		
	PAL-ACC05	NITRA control cable, 25-pin D-sub right-angle female to pigtail, IP65, 8.2ft/2.5m cable length. For use with PAL-E25 electrical connection module.	8.2 ft (2.5 m)		
	PAL-ACC06	NITRA control cable, 25-pin D-sub right-angle female to pigtail, IP65, 16.4ft/5m cable length. For use with PAL-E25 electrical connection module.	16.4 ft (5m)		
	PAL-ACC07	NITRA control cable, 44-pin D-sub right-angle female to pigtail, IP65, 3.2ft/1m cable length. For use with PAL-E44 electrical connection module.	3.2 ft (1m)		
	PAL-ACC08	NITRA control cable, 44-pin D-sub right-angle female to pigtail, IP65, 8.2ft/2.5m cable length. For use with PAL-E44 electrical connection module.	8.2 ft (2.5 m)		
	PAL-ACC09	NITRA control cable, 44-pin D-sub right-angle female to pigtail, IP65, 16.4ft/5m cable length. For use with PAL-E44 electrical connection module.	16.4 ft (5m)		



SPECIFICATIONS

SPECIFICATIONS				
Conventional Electrical Module Specifications				
Maximum Admissible Current (PAL-E25, PAL-E44)	With multi-pole connection 6A continuous, 9A instantaneous With fieldbus connection 4A continuous, 6A instantaneous for valve supply; 4A continuous, 6A instantaneous for bus and signal supply			
Protection	Overload and short-circuit protected solenoid pilot Output			
Diagnostics	LED signal on valve, LED on electrical connection and software message regarding: short-circuited solenoid pilot; solenoid pilot with coil failure; voltage out of range (undervoltage and overvoltage); module communication control; on switching, configuration other than that stored			
Maximum Number of Solenoid Pilots	128			
Maximum number of simultaneously controllable solenoid pilots to actuate a greater number of solenoid pilots at the same time, add "Intermediate module PAL-M12P" with electrical connection	38			
Maximum Number of I/O	128 digital inputs, 128 digital outputs, 16 analog inputs, 16 analog outputs			
Maximum Number of Modules	40 Bases for valves + 16 digital inputs + 16 digital outputs + 4 analog inputs + 4 analog outputs			



BLANK PAGE